



PN01-557-2-7

Portable HF Gas Monitor

Problem

The INEEL's Idaho Nuclear Technology and Engineering Center remediation project needed to monitor for release of hydrogen fluoride (HF) gas to ensure worker safety during retrieval of buried gas cylinders.

Baseline Technology

Periodic air sampling using conventional chemical detection tubes requiring Industrial Health technician support during use.

Innovative Technology

The commercially available Portable HF Gas Monitor is a device that continuously monitors air for trace amounts of hydrogen fluoride.

Comparison

This device monitors air continuously and does not need Industrial Health technician support required by conventional HF detection tubes.

Benefits

This HF monitor ensures worker safety during retrieval of buried cylinders and results in an estimated cost avoidance of \$12,000.